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NOTICE OF ALLOWANCE AND FEE(S) DUE

65913 7590 04/07/2009

SAN JOSE, CA 95131

NXP, B.V. NXP INTELLECTUAL PROPERTY DEPARTMENT M/S41-SJ 1109 MCKAY DRIVE

EXAMINER				
QUINTO, KEVIN V				
ART UNIT	PAPER NUMBER			

2826 DATE MAILED: 04/07/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/584,504	06/22/2006	Heimo Scheucher	AT03 0070 US1	4587

TITLE OF INVENTION: WAFER WITH OPTICAL CONTROL MODULES IN EXPOSURE FIELDS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/07/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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appropriate. All further indicated unless correct maintenance fee notifications.	ed below or directed oth	ng the Patent, advance of nerwise in Block 1, by (a	rders and notification a) specifying a new c	of m orres	naintenance fees v pondence address;	vill be and/or	mailed to the current (b) indicating a sepa	correspon rate "FEE	dence address as LADDRESS" for
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NXP, B.V. NXP INTELLECTUAL PROPERTY DEPARTMEN' M/S41-SJ				State	eby certify that the Postal Service v	is Fee(: vith suf	of Mailing or Transı s) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the da	deposited t class ma	ail in an envelope
1109 MCKAY I SAN JOSE, CA									(Depositor's name)
512 (0052, 012	70.101								(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIR	RMATION NO.
10/584,504 TITLE OF INVENTION	06/22/2006 I: WAFER WITH OPTIC	CAL CONTROL MODUI	Heimo Scheucher LES IN EXPOSURE F		DS	Α	T03 0070 US1		4587
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nonprovisional	NO	\$1510	\$300		\$0		\$1810	C	07/07/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS						
QUINTO,	KEVIN V	2826	257-797000		l				
"Fee Address" inc PTO/SB/47; Rev 03-(Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un	ND RESIDENCE DATA less an assignee is ident th in 37 CFR 3.11. Comp	" Indication form	data will appear on t	rnativesingles or a store attored to the partype type an a store at the partype type an a store at the partype type an a store at the partype an a store at the partype type an a store at the partype an a store at the partype an a store at the partype at the par	rely, e firm (having as a gent) and the nam nneys or agents. If printed. e) ttent. If an assign assignment.	memb es of up no nam	er a 2 p to le is 3	ocument h	nas been filed for
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☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			 ↓ A check is enclosed. □ Payment by credit card. Form PTO-2038 is attached. □ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 						
a. Applicant claim	ntus (from status indicated as SMALL ENTITY statu	ıs. See 37 CFR 1.27.	* *				FITY status. See 37 CF		
interest as shown by the	records of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other the Office.	nan tr	ne applicant; a regi	stered a	ittorney or agent; or th	e assignee	or other party in
Authorized Signature Date _				Date					
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	TUAL PROPERTY DE	PARTMENT	ART UNIT	PAPER NUMBER	
M/S41-SJ 1109 MCKAY D SAN JOSE, CA 9			2826 DATE MAILED: 04/07/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 150 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 150 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)
	10/584,504	SCHEUCHER ET AL.
Notice of Allowability	Examiner	Art Unit
	Kevin Quinto	2826
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject t	plication. If not included n will be mailed in due course. THIS
1. This communication is responsive to <u>4 November 2008</u> .		
2. X The allowed claim(s) is/are <u>1-7</u> .		
 3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). 	been received. been received in Application No	
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE"	of this communication to file a reply	complying with the requirements
noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying that the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	et be submitted.	
(a) \square including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the	.84(c)) should be written on the drawi he header according to 37 CFR 1.121(ngs in the front (not the back) of d).
6. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal F 6. ☐ Interview Summary Paper No./Mail Da 7. ☐ Examiner's Amenda 8. ☑ Examiner's Stateme 9. ☐ Other	(PTO-413), te

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DETAILED ACTION

Response to Arguments

- 1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.
- 2. The applicant argues in the responses filed on July 22, 2008 and November 4, 2008 that Watanabe et al. (USPN 5,721,091) fails to cite the structural features of claims 1-7. The examiner has found these arguments to be persuasive since Watanabe does not appear to teach the placement of optical control modules used for alignment within exposure fields of the wafer while displacing a portion of the IC area with the alignment control modules while also having the suggested positioning of the control module fields.

Allowable Subject Matter

- 3. Claims 1-7 are allowed.
- 4. The following is an examiner's statement of reasons for allowance: the examiner is unaware of any prior art which suggests or renders obvious a wafer with a number of exposure fields, a number of lattice fields in each exposure field, first and second dicing paths (in respective first and second directions which intersect) which divide the lattice fields while two control module fields (which each contain at least one optical control module) are in each exposure field but are not in the dicing paths such that each control module field is provided in place of a preset number of lattice fields and the two control

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module fields of each exposure field are arranged at an average distance from one another extending in the second direction that is equal to at least a quarter of the side length of a side of the exposure field extending in the second direction as suggested in claim 1.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Quinto whose telephone number is (571) 272-1920. The examiner can normally be reached on M-F 8AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sue Purvis can be reached on (571) 272-1236. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kevin Quinto/ Examiner, Art Unit 2826

/Evan Pert/ Primary Examiner, Art Unit 2826